

Converting Colors

CIELCh(37, 60.308, 53.279)

Have a look what the booklet for
CIELCh(37, 60.308, 53.279) contains.

CIELCh(37, 60.145, 53.343)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	20
<i>Color Blindness Simulation</i>	23
<i>CSS Examples</i>	25

Color

CIELCh(37, 60.145, 53.343)

Conversions

Conversions Part 1

Format	Color
Hex	963B00
RGB	150, 59, 0
RGB Percent	59%, 23%, 0%
CMY	0.4134, 0.7699, 1.0000
CMYK	0.00, 0.61, 1.00, 0.41
HSL	24°, 100%, 29%
HSV	24°, 100%, 59%
XYZ	14.0474, 9.5379, 1.0919
YIQ	79.4830, 73.1750, 0.9430

Conversions

Conversions Part 2

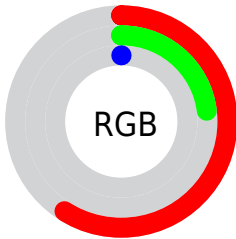
Format	Color
R_{YB}	150, 97, 0
Decimal	9845504
CIE _{Lab}	37.00, 35.91, 48.25
CIE _{LCh}	37, 60.145, 53.343
Yxy	9.5379, 0.5692, 0.3865
Android (android.graphics.Color)	4288035584 (0xFF963B00)
YUV	79.4830, -39.1851, 61.8434
Hunter-Lab	30.8835, 27.1449, 19.5222

Details

The CIELCh color **37, 60.145, 53.343** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **37, 38.470, 270.337**, and the grayscale version is **34, 0.005, 296.813**.

A 20% lighter version of the original color is **57, 60.138, 53.024**, and **17, 44.844, 36.085** is the 20% darker color. If you saturate the color by 10%, you get **37, 60.056, 53.278**, and if you desaturate by 10%, it is **39, 54.450, 54.642**.

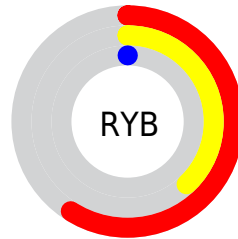
Distribution



Red (59%)

Green (23%)

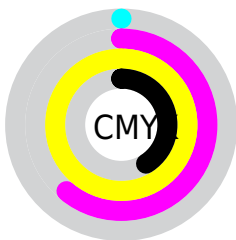
Blue (0%)



Red (59%)

Yellow (38%)

Blue (0%)

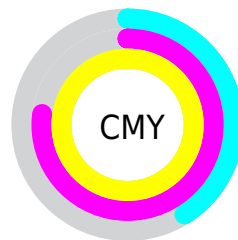


Cyan (0%)

Magenta (61%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (77%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 37, 60.145, 53.343 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 37, 60.145, 53.343 by changing the saturation by 10% instead.

37, 60.145, 53.343

37, 60.145, 53.343

100, 60.145,
53.343

27, 60.145, 53.343

57, 60.145, 53.343

17, 60.145, 53.343

67, 60.145, 53.343

7, 60.145, 53.343

77, 60.145, 53.343

0, 60.145, 53.343

87, 60.145, 53.343

97, 60.145, 53.343

37, 60.145, 53.343

37, 60.145, 53.343

37, 60.056, 53.278

39, 54.450, 54.642

41, 48.185, 55.866

43, 41.368, 56.759

46, 34.526, 57.556

48, 27.909, 58.357

51, 21.622, 59.196

53, 15.700, 60.079

56, 10.137, 60.994

59, 4.912, 61.910

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



37, 60.145, 53.343



37, 38.470, 270.337

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



37, 60.145, 53.343



37, 60.145, 103.343



37, 60.145, 233.343



37, 60.145, 283.343

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



37, 60.056, 53.278



68, 19.427, 60.025



32, 59.343, 350.951



34, 13.379, 59.686



89, 0.011, 296.813



41, 0.006, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



37, 60.056, 53.278



48, 73.194, 52.497



55, 60.111, 94.872



30, 2.742, 61.981



34, 56.400, 53.568



1, 2.341, 62.943

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



37, 38.470, 270.337



48, 47.304, 271.437



18, 83.833, 304.330



30, 2.644, 244.003



34, 36.013, 269.925



1, 2.342, 242.960

Previews

White Background



This preview shows how the CIELCh color 37, 60.145, 53.343 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the CIELCh color 37, 60.145, 53.343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 37, 60.145, 53.343

Background



This preview shows how black text looks on a background with the CIELCh color 37, 60.145, 53.343.



This preview shows how white text looks on a background with the CIELCh color 37, 60.145, 53.343.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37, 60.145, 53.343

Protanopia

37, 40.490, 95.597

Tritanopia

37, 44.996, 25.906

Trichromacy



Original Color
37, 60.145, 53.343

Protanomaly
36, 43.402, 74.769

Tritanomaly
37, 49.920, 39.752

Monochromacy



Original Color
37, 60.145, 53.343

Achromatopsia
34, 0.005, 296.813

Achromatomaly
34, 21.900, 59.109

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 37, 60.145, 53.343 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(150, 59, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 59, 0)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(150, 59, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 59, 0) }
```

Border

The CSS property to change the border of an element to CIELCh 37, 60.145, 53.343 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(150, 59, 0) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(150, 59, 0) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(150, 59, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 59, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 59, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 59, 0)  
}
```

Background

The CSS property to change the background color of an element to CIELCh 37, 60.145, 53.343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 59, 0) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(150, 59,  
0) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor